

# New York State Department of Transportation

## Yellow Flag NB2228W024

By: Ben Colangelo

Flag Date: April 11, 2022

Superseding Information:

This flag supersedes: YF NB2122W037

### Structure Information

*BIN:* 1065318

*Feature Carried:* 278I278IX2M23027

*Feature Crossed:* 6TH AVENUE

*Orientation:* 8 - NORTHWEST

*Region:* 11 - NEW YORK CITY

*County:* KINGS

*Political Unit:* City of NEW YORK

*Approximate Year Built:* 1962

*Posted Load Matches Inventory :* Yes

*Bridge Load Posting (Tons) :* Not Posted for Load

*Primary Owner:* New York State Department of Transportation

*Primary Maintenance Responsibility:* 12 - State - Subcontracted to another Party

*Typical or Main Span Type:* 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

*Number of Spans:* 322

### Verbal Notification Information

*Person Notified:* Heinz Joachim, P.E.

*Date:* April 11, 2022 12:30:00 PM

*Of:* NYSDOT Region 11

### Signature Information

*Signature:* Ben Colangelo, P.E. 068498

*Date:* June 09, 2022

*Reviewed By:* Robert Kemp

*Date:* June 09, 2022

*Attachments:* 6

### Flagged Elements

Parent Element	Element	Total Quantity	Unit
<b>Span Number : 236</b>			
	107 - Steel Open Girder/Beam	989	ft
	PR831 - Steel Beam End	42	each

### Flagged Condition Description

This Yellow Flag No. NB2228W024 supersedes Yellow Flag No. NB2122W037.

Location: Span 236 Girder G1 at Pier 236.

Description: The left clip/connection angle at Girder G1 connection to the pier cap at Pier 236 exhibits a 3" long x 1/2" wide vertical corrosion crack at the lower fillet section. In addition, the right vertical stiffener/connection angle is heavily corroded and has a 4" wide x 1-1/2" high hole at the base and a 2" wide x 1" high corrosion hole at the top of the stiffener.

There has been no significant change since previous inspection.

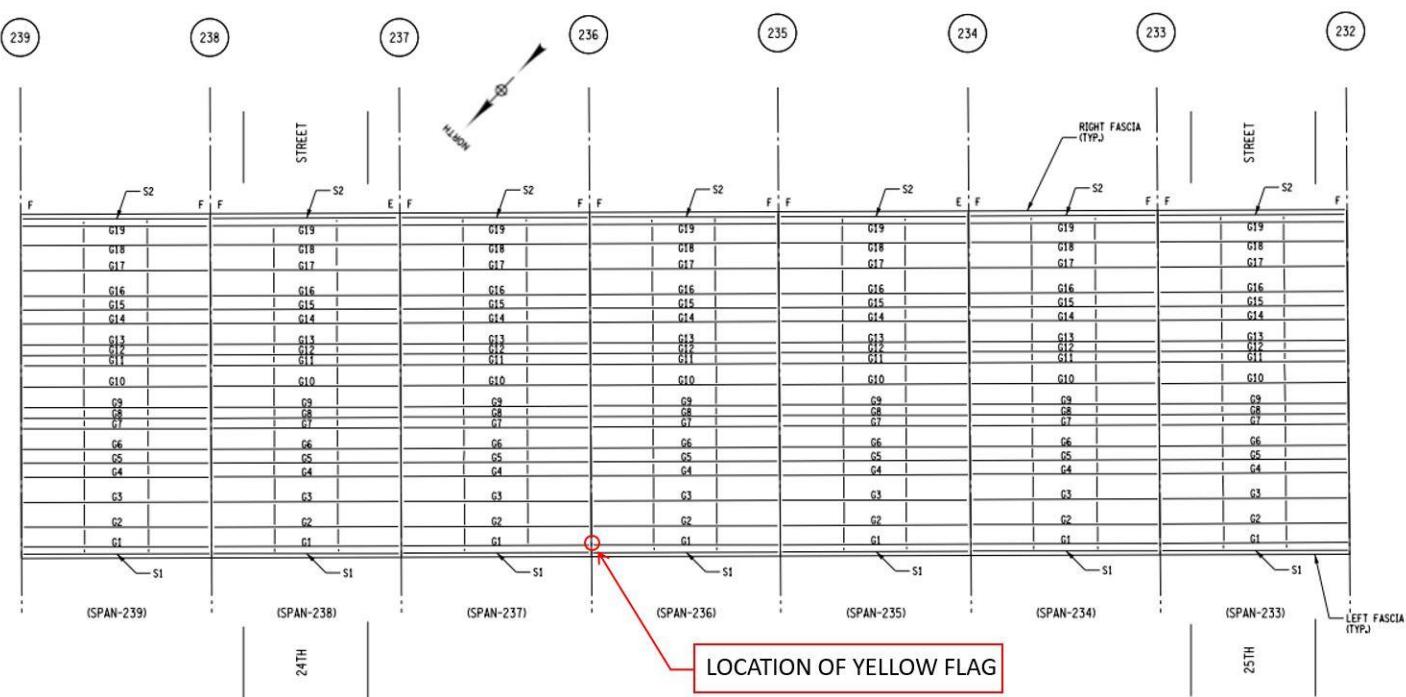
Notes:

- 1.The affected member, Girder G1 is a load path redundant steel girder consisting of a web depth of 21.30" inches and thickness of 0.608 inches and is located under the deck in the roadway, approximately 12" off the edge of curb line/safety walk.
- 2.The adjacent Girder (right) G2 is 5'-3" on center has repair plates in good condition.
- 3.The adjacent Stringer (left side) S1, approximately 24" on center has corrosion at the top of the right bottom flange angle with 3/16" deep section loss 12" L x 1" wide.
- 4.A double lane closure on 3rd Avenue Westbound with shadow vehicle and a 35' bucket truck is required to access the flagged location.

## Flag Photographs

Photo Number: 1

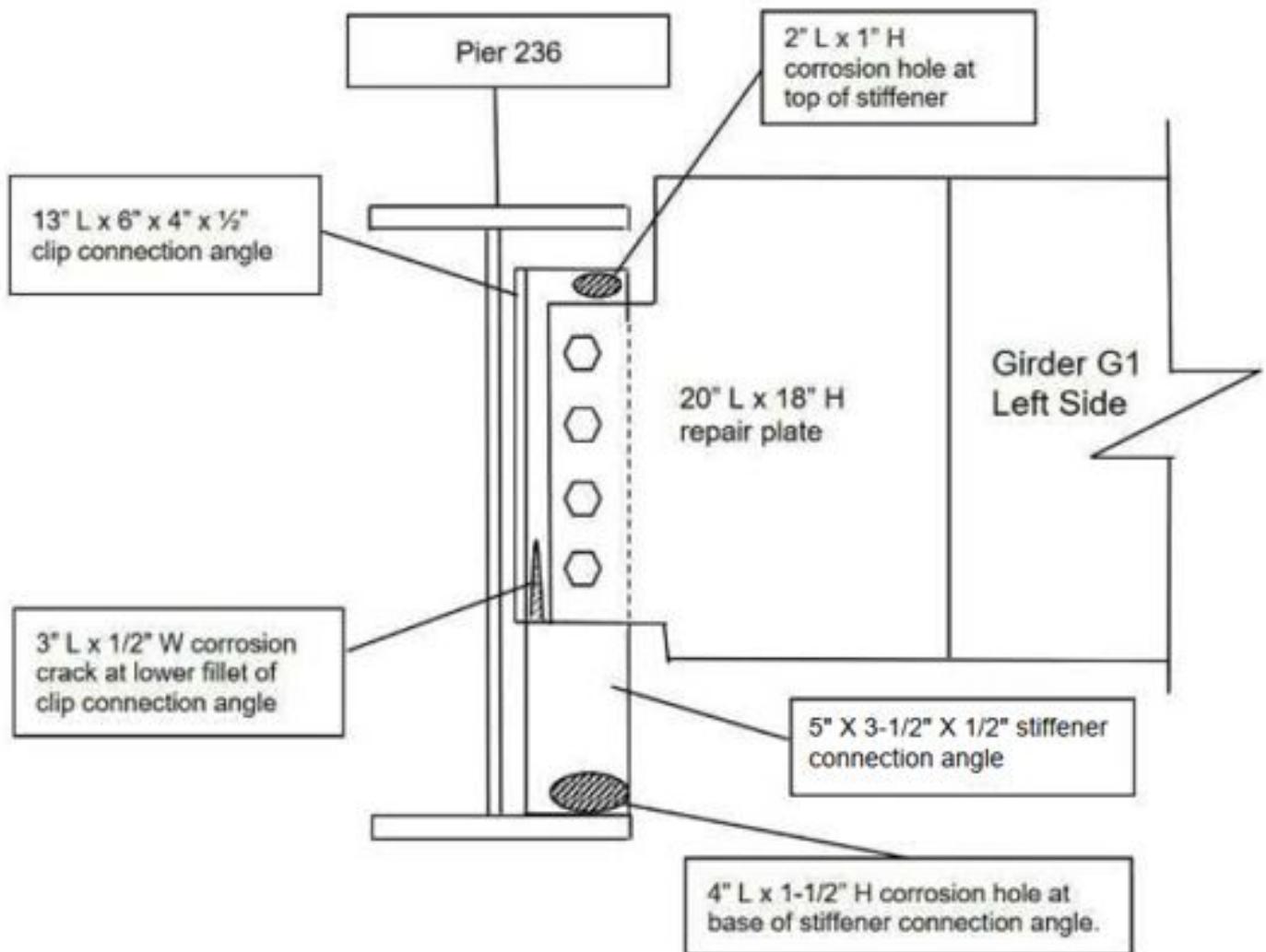
Photo Filename: FRAMING PLAN.JPG



**Attachment Description: BIN 1065318, Framing Plan, Span 236**

Photo Number: 2

Photo Filename: YELLOW FLAG SKETCH.jpg



### Span 236, Left side of Girder G1 at Pier 236 – Looking Right

*Attachment Description: Sketch of Girder G1 at Pier 236*

Photo Number: 3

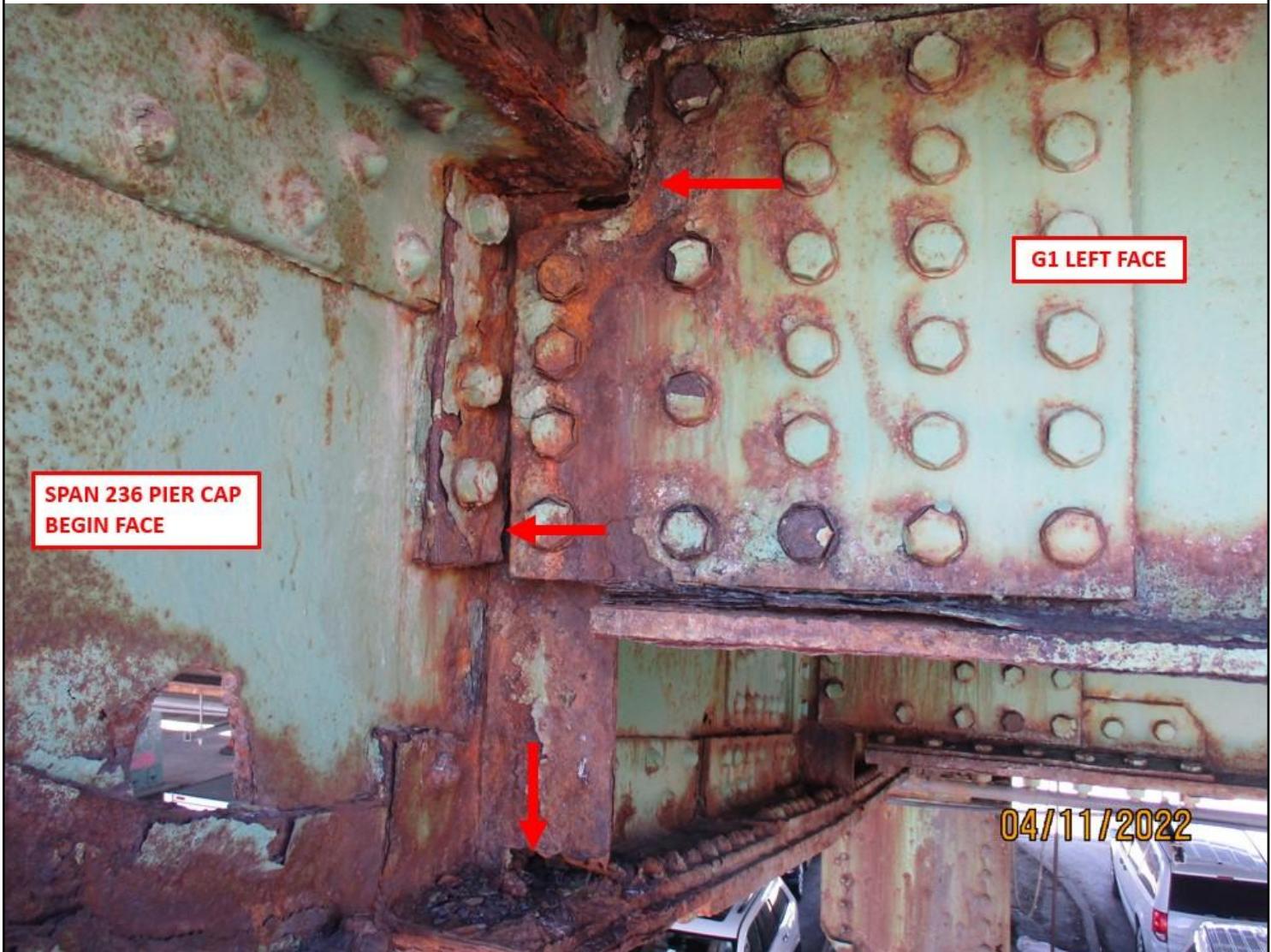
Photo Filename: Photo 1-edit.jpg



**Attachment Description:** Span 236, Girder G1 at Pier 236 - General Framing at Flagged Location - Looking End.

Photo Number: 4

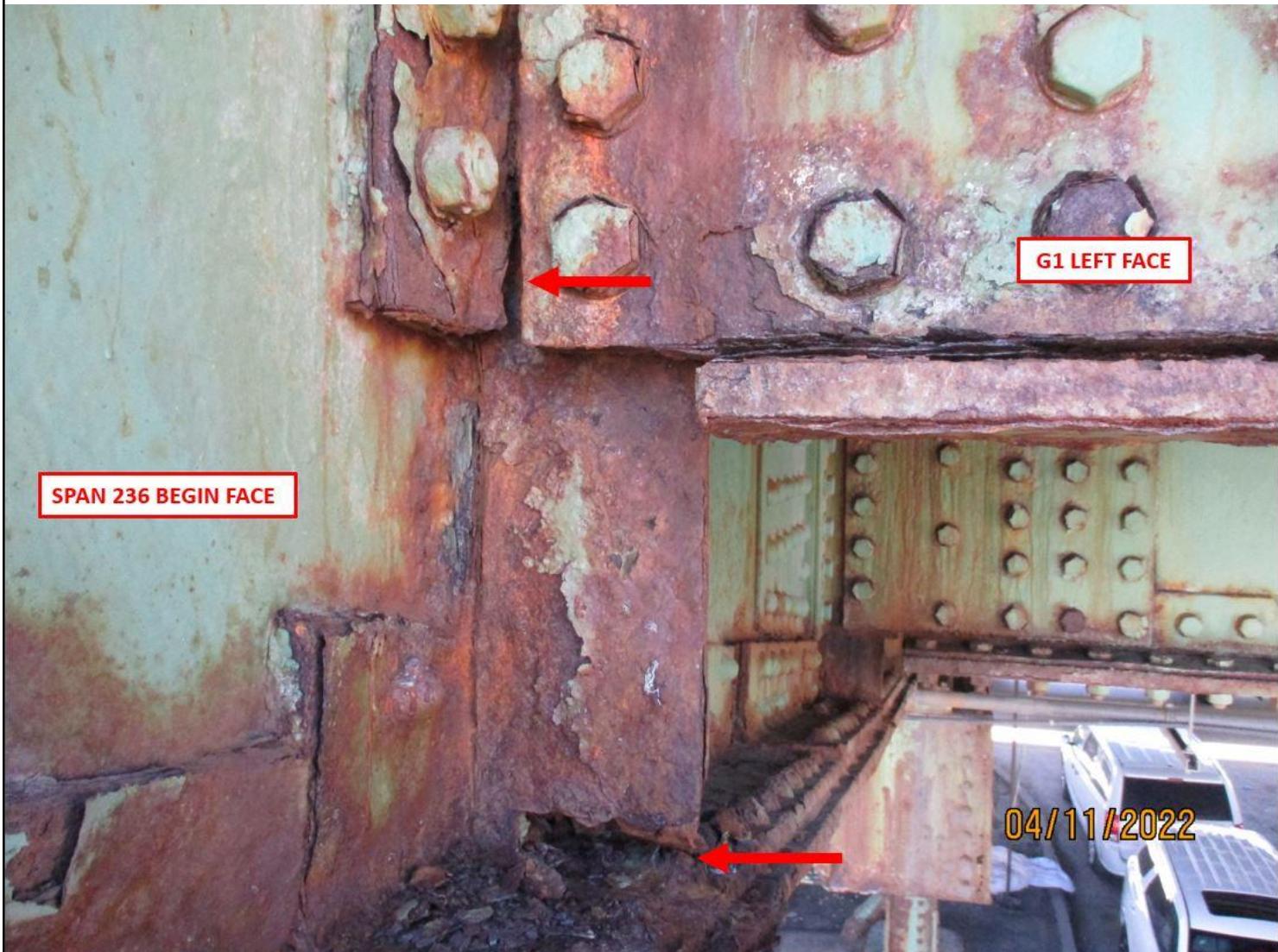
Photo Filename: Photo 2-edit.jpg



**Attachment Description:** Span 236, Girder G1 at Pier 236 - General View of Flag Location showing the 3" L x 1/2" W vertical corrosion crack in the left clip/connection angle and the corrosion holes at the upper and lower sections of the right side vertical stiffener/connection angle. Looking Right.

Photo Number: 5

Photo Filename: 316-3781.JPG



**Attachment Description:** Span 236, Girder G1 at Pier 236 - Close up view of 3" L x 1/2" W vertical corrosion crack at lower fillet section of left clip connection/angle and 4" L x 1-1/2" W corrosion hole at base of the right side vertical stiffener/connection angle. Looking Right.

Photo Number: **6**Photo Filename: **316-3793.JPG**

**Attachment Description:** Span 236, Girder G1 at Pier 236 - Close up view of 3" L x 1/2" W vertical corrosion crack at lower fillet section of left side clip/connection angle. Looking Right.